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[Systems, Man and Cybernetics, 2002 IEEE International Conference on](#)  
Volume 6, 6-9 Oct. 2002 Page(s):6 pp. vol.6  
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Power, J.F.; Malloy, B.A.;  
[Reverse Engineering, 2002. Proceedings. Ninth Working Conference on](#)  
29 Oct.-1 Nov. 2002 Page(s):190 - 198  
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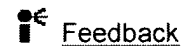
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### 1 [A classification of grammar development strategies](#)

Alexandra Kinyon, Carlos A. Prolo

 September 2002 **COLING-02 on Grammar engineering and evaluation - Volume 15**, Volume 15

Publisher: Association for Computational Linguistics

 Full text available: [pdf\(131.38 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

In this paper, we propose a classification of grammar development strategies according to two criteria: **hand-written versus automatically acquired** grammars, and grammars based on a **low versus high level of syntactic ...**

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### 2 [Book reviews: Tree adjoining grammars: formalisms, linguistic analysis and processing](#)

Geoffrey K. Pullum

March 2002 **Computational Linguistics**, Volume 28 Issue 1

Publisher: MIT Press

 Full text available: [pdf\(245.85 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

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### 3 [Tools and resources for Tree Adjoining Grammars](#)

François Barthélemy, Pierre Boullier, Philippe Deschamp, Linda Kaouane, Abdelaziz Khajour, Éric Villemonte de la Clergerie

 July 2001 **Proceedings of the ACL 2001 Workshop on Human Language Technology and Knowledge Management - Volume 15**, Volume 15

Publisher: Association for Computational Linguistics

 Full text available: [pdf\(88.34 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper presents a workbench for Tree Adjoining Grammars that we are currently developing. This workbench includes several tools and resources based on the markup language XML, used as a convenient

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language to format and exchange linguistic resources.

#### 4 A grammar view for editing structured documents

Mark Sifer, Yarden Peres, Yoelle Maarek

May 2001 **VIP '01: Proceedings of the Pan-Sydney area workshop on Visual information processing - Volume 11**, Volume 11

**Publisher:** Australian Computer Society, Inc.

Full text available:  pdf(66.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose simplifying the editing of structured documents that conform to Backus-Naur Form (BNF) grammars, by exposing and operating on the grammar itself. We introduce an original grammar view that supports browsing and editing of structured documents ...


**Keywords:** XML, coordinated views, structured document, user interface

#### 5 XML-based modeling and simulation: meta-models are models too

Hans Vangheluwe, Juan de Lara

December 2002 **WSC '02: Proceedings of the 34th conference on Winter simulation: exploring new frontiers**

**Publisher:** Winter Simulation Conference

Full text available:  pdf(180.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

This article introduces *multi-formalism* modelling and *meta-modelling* to facilitate computer assisted modelling and simulation of complex systems. To aid in the automatic generation of multi-formalism modelling and simulation ...


#### 6 Requirements for XML document database systems



Airi Salminen, Frank Wm. Tompa

November 2001 **DocEng '01: Proceedings of the 2001 ACM Symposium on Document engineering**

**Publisher:** ACM

Full text available:  pdf(141.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

The shift from SGML to XML has created new demands for managing structured documents. Many XML documents will be transient representations for the purpose of data exchange between different types of applications, but there will also be a need for effective ...

**Keywords:** XML, XML database systems, data definition, data manipulation, data modelling, structured documents


#### 7 Generating spreadsheet-like tools from strong attribute grammars

João Saraiva, Doaitse Swierstra

September 2003

**GPCE '03:** Proceedings of the 2nd international conference  
on Generative programming and component engineering

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  [pdf\(161.50 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [index terms](#)

This paper presents techniques for the formal specification and efficient incremental implementation of spreadsheet-like tools. The spreadsheets are specified by strong attribute grammars. In this style of attribute grammar programming every single inductive ...


## 8 A fine-grained access control system for XML documents



Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi,  
Pierangela Samarati

May 2002 **ACM Transactions on Information and System Security**  
(**TISSEC**), Volume 5 Issue 2

**Publisher:** ACM

Full text available:  [pdf\(330.60 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

Web-based applications greatly increase information availability and ease of access, which is optimal for public information. The distribution and sharing of information via the Web that must be accessed in a selective way, such as electronic commerce ...


**Keywords:** Access control, World Wide Web, XML documents,  
authorizations specification and enforcement

## 9 DTD-directed publishing with attribute translation grammars

Michael Benedikt, Chee Yong Chan, Wenfei Fan, Rajeev Rastogi, Shihui  
Zheng, Aoying Zhou

August 2002 **VLDB '02:** Proceedings of the 28th international conference on  
Very Large Data Bases

**Publisher:** VLDB Endowment

Full text available:  [pdf\(213.54 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [index terms](#)

We present a framework for publishing relational data in XML with respect to a fixed DTD. In data exchange on the Web, XML views of relational data are typically required to conform to a predefined DTD. The presence of recursion in a DTD as well as non-determinism ...


## 10 XML access control using static analysis



Makoto Murata, Akihiko Tozawa, Michiharu Kudo, Satoshi Hada

October 2003 **CCS '03:** Proceedings of the 10th ACM conference on  
Computer and communications security

**Publisher:** ACM

Full text available:  [pdf\(357.99 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

Access control policies for XML typically use regular path expressions

such as XPath for specifying the objects for access control policies. However such access control policies are burdens to the engines for XML query languages. To relieve this burden, ...

**Keywords:** XML, XPath, XQuery, access control, automaton, query optimization, schema, static analysis

## 11 Typechecking XML views of relational databases



Noga Alon, Tova Milo, Frank Neven, Dan Suciu, Victor Vianu  
July 2003 **ACM Transactions on Computational Logic (TOCL)**, Volume 4  
Issue 3

**Publisher:** ACM

Full text available: pdf(401.36 KB) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

Motivated by the need to export relational databases as XML data in the context of the Web, we investigate the *typechecking* problem for transformations of relational data into tree data (XML). The problem consists of statically verifying that ...

**Keywords:** Complexity, XML, logic, relational databases, typechecking

## 12 Exchanging intensional XML data



Tova Milo, Serge Abiteboul, Bernd Amann, Omar Benjelloun, Fred Dang Ngoc  
June 2003 **SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international conference on Management of data**

**Publisher:** ACM

Full text available: pdf(237.21 KB) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

XML is becoming the universal format for data exchange between applications. Recently, the emergence of Web services as standard means of publishing and accessing data on the Web introduced a new class of XML documents, which we call *intensional* ...

## 13 Multi-level operator combination in XML query processing



Shurug Al-Khalifa, H. V. Jagadish  
November 2002 **CIKM '02: Proceedings of the eleventh international conference on Information and knowledge management**

**Publisher:** ACM

Full text available: pdf(248.69 KB) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

A core set of efficient access methods is central to the development of any database system. In the context of an XML database, there has been considerable effort devoted to defining a good set of primitive operators and inventing efficient access methods ...

**Keywords:** XML, query processing

#### 14 Modelling stars using XML



Jaroslav Pokorny

November 2001 **DOLAP '01**: Proceedings of the 4th ACM international workshop on Data warehousing and OLAP

**Publisher:** ACM

Full text available: pdf(2.29 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

We suppose collections of XML data described by Document Type Definitions (DTDs). This data has been generated by applications and plays a role of OLTP database(s). A star schema, a well-known technique used in data warehousing, can be applied. Then ...

**Keywords:** XML, data warehouse, dimension, star schema

#### 15 Implementing incremental code migration with XML



Wolfgang Emmerich, Cecilia Mascolo, Anthony Finkelstein

June 2000 **ICSE '00**: Proceedings of the 22nd international conference on Software engineering

**Publisher:** ACM

Full text available: pdf(124.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

We demonstrate how XML and related technologies can be used for code mobility at any granularity, thus overcoming the restrictions of existing approaches. By not fixing a particular granularity for mobile code, we enable complete programs as well as ...

**Keywords:** XML technologies, incremental code migration

#### 16 Secure and selective dissemination of XML documents



Elisa Bertino, Elena Ferrari

August 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 3

**Publisher:** ACM

Full text available: pdf(678.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

XML (*eXtensible Markup Language*) has emerged as a prevalent standard for document representation and exchange on the Web. It is often the case that XML documents contain information of different sensitivity degrees that must be selectively shared ...

**Keywords:** Access control, XML, secure distribution


#### 17 Flexible authentication of XML documents



P. Devanbu, M. Gertz, A. Kwong, C. Martel, G. Nuckolls, S. G. Stubblebine

November 2001 **CCS '01**: Proceedings of the 8th ACM conference on Computer and Communications Security

**Publisher:** ACM

Full text available:  [pdf\(219.17 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

XML is increasingly becoming the format of choice for information exchange, in critical areas such as government, finance, healthcare and law, where integrity is of the essence. As this trend grows, one can expect that documents (or collections thereof) ...


## 18 [Typing and querying XML documents: some complexity bounds](#)



Luc Segoufin

June 2003 **PODS '03**: Proceedings of the twenty-second ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems

**Publisher:** ACM

Full text available:  [pdf\(246.23 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
[references](#), [cited by](#), [index terms](#)

We study the complexity bound of validating XML documents, viewed as labeled unranked ordered trees, against various typing systems like DTDs, XML schemas, tree automata ... We also consider query evaluation complexities for various fragments of XPath. ...


## 19 [XML parsing: a threat to database performance](#)



Matthias Nicola, Jasmi John

November 2003 **CIKM '03**: Proceedings of the twelfth international conference on Information and knowledge management

**Publisher:** ACM

Full text available:  [pdf\(210.86 KB\)](#) Additional Information: [full citation](#), [abstract](#),  
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XML parsing is generally known to have poor performance characteristics relative to transactional database processing. Yet, its potentially fatal impact on overall database performance is being underestimated. We report real-world database applications ...

**Keywords:** DOM, SAX, XML, database, parser, performance, validation


## 20 [XML linking](#)



Steven J. DeRose

December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4es

**Publisher:** ACM

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